MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT
14306 Park Avenue Victorville, CA 92392-2310
760.245.1661 -- 800.635.4617 -- FAX 760.245.2022

RENEWAL

E011981

Renewal type Permit has no description information.

EXPIRES LAST DAY OF: NOVEMBER 2026

OWNER OF OPERATOR (Co.#84)

NTC - Public Works
Bldg 602, 5th Street
Fort Irwin, CA 92310

EQUIPMENT LOCATION (Fac.#3280)

NTC Public Works and Building Maintenance
AFZJ-PW-EV, Bldg 602
Fort Irwin, CA 92310

Description:
DIESEL IC ENGINE, PORTABLE EMERGENCY GENERATOR (STORED AT BLDG 367) consisting of: A certified Tier 3 diesel engine, EPA Family CJDXL04.5119, manufactured in 2013 with no exhaust after-treatment device installed. Exhaust flow is 820 CFM at 900 degrees F:

One John Deere, Diesel fired internal combustion engine Model No. 4045HFS83 and Serial No. CD4045L286949, Compression-Ignited, Direct Injected, Turbo Charged, producing 158 bhp with 4 cylinders at 1800 rpm while consuming a maximum of 7.5 gal/hr. This equipment powers a Kohler Generator Model No. 100REOZT and Serial No. 100REOZT13016597, rated at 100 kW(e).

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	1.3	gm/bhp-hr
NOx	2.8	gm/bhp-hr
PM10	0.14	gm/bhp-hr
SOx	0.005	gm/bhp-hr

CONDITIONS:

1. This certified portable diesel internal combustion engine shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted

Fee Schedule: 7 (g) | Rating: 1 device | SIC: 7349 | SCC: 20100102 | Location/UTM(Km): 511E/3861N

This permit does not authorize the emission of air contaminants in excess of those allowed by law, including Division 26 of the Health and Safety Code of the State of California and the Rules and Regulations of the District. This permit cannot be construed as permission to violate existing laws, ordinances, statutes or regulations of this or other governmental agencies. This permit must be renewed by the expiration date above. If billing for renewal fee required by Rule 301(c) is not received by expiration date above, please contact the District.

NTC - Public Works
Attn: Air Resources Manager

Fort Irwin, CA 92310

By: **COPY**
Brad Poiriez
Executive Director

UNOFFICIAL

with the application for this permit.
[District Rule 1302]

2. This unit shall only be fired on ultra-low sulfur diesel fuel whose sulfur concentration is less than or equal to 0.0015% (15 ppm) on a weight per weight basis per CARB Diesel or equivalent requirements; or alternative diesel fuel, or CARB diesel fuel utilizing fuel additives, that has been verified through the Verification Procedure for In-Use Strategies to Control Emissions from Diesel Engines.
[Title 17 CCR 93116.3(a)]

3. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time.
[Title 17 CCR 93116.4(b)(2)(A)]

4. This diesel engine and its associated equipment cannot be operated at the same engine-print (spot) for more than 365 consecutive days, excluding time spent at a designated storage site where the engine can NOT be used for emergency use. This generator must be moved to another facility, or within this facility, annually for a valid operational reason.
[District Rules 1302, 1303, and 1320 and Title 17 CCR 93116.2(a)(29)]

5. This engine has been designated as "emergency" pursuant to Title 17 CCR 93116 and is therefore exempt from the fleet requirements of sections 93116.3(c)(1) and 93116.3(c)(2) pursuant to section 93116.3(c)(3)(B). In order to maintain this designation, this engine is limited to use for emergency power, defined as in response to a fire or when commercially available power has been interrupted. There is no limitation on the emergency operation of this engine. In addition, this unit shall be operated no more than 50 hours per year, nor more than 1 hour per day for testing and maintenance.

In the event that this engine exceeds the allowed hours of operation in a calendar year it becomes immediately subject to the requirements of section 93116.3(c)(1) or (c)(2) in the year such exceedence or use occurs. The responsible official (owner/operator) must submit a request to convert the engine to regular use, subject to the limitations of section 93116.3(c)(6).
[Title 17 CCR 93116.2(a)(23), 9.3116.3(c)(3)and(5) and District Rule 1320]

6. The owner/operator shall maintain a operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
a. Date of each use;
b. Location of each use (decimal degrees, xx.xxxxx;-yyy.yyyyy);
c. Duration of each use (in hours as indicated by the hour timer);
d. Reason for each use (testing & maintenance, emergency, required emission testing);
e. Date and description of each maintenance action or repair on this equipment;
f. Calendar year operation in terms of fuel consumption (in gallons) or total hours; and,
g. Fuel sulfur concentration (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log).
[Title 17 CCR 93116 and District Regulation XIII - NSR]

7. The owner/operator shall not operate this emergency standby diesel-fueled CI engine for non-emergency use, including maintenance and testing, if the engine is located on school grounds whenever there is a school-sponsored activity and/or if the engine is located within 1,000 feet of school grounds between 7:30 a.m. and 3:30 p.m. on days when school is in session.
[Title 17 CCR 93116]

8. This USEPA Tier 3 certified engine may not be sold, or offered for sale, to an end user in California on or after January 1, 2027. The sale of engines for resale outside of California is not prohibited.
[Title 17 CCR 93116.3(e)]

9. This unit is subject to the requirements of the Airborne Toxic Control Measure For Diesel Particulate Matter From Portable Engines Rated At 50 Horsepower and Greater (Title 17 CCR 93116). In the event of conflict between these conditions and the ATCM, the more stringent shall govern.
[Title 17 CCR 93116 and District Rule 204]

10. This entire facility (MDAQMD Facility no. 589 - NTC - Dir. of Public Works, Mission Related) shall not emit any regulated air pollutant or any pollutant listed under section 112(b) of the Clean Air Act listed below in excess of the following limits in any consecutive 12 month period to remain below the USEPA's Synthetic Minor - 80% (SM-80) threshold:

a. Oxides of Nitrogen (NOx): 20 tons per consecutive twelve (12) month period, measured as NO2;
b. Oxides of Sulfur (SOx): 20 tons per consecutive twelve (12) month period;
c. Volatile Organic Compounds (VOC): 20 tons per consecutive twelve (12) month period;
d. Carbon Monoxide (CO): 80 tons per consecutive twelve (12) month period;
e. Hydrogen Sulfide (H2S): 8 tons per consecutive twelve (12) month period;
f. Lead (Pb): 0.48 tons per consecutive twelve (12) month period; and,
g. Particulate Matter 10 microns and less (PM10): 12.0 tons per consecutive twelve (12) month period;
h. Any single Hazardous Air Pollutant (HAP): 8 tons per consecutive twelve (12) month period; and,
i. All HAPs combined: 20 tons per consecutive twelve (12) month period.

For the purposes of implementation of the Title I (Part D) Nonattainment New Source Review (nonattainment NSR), Title I (Part C) Prevention of Significant Deterioration (PSD), and Title V Operating Permit Programs under the Clean Air Act, Facility refers to a stationary source, or group of stationary sources that are located on one or more contiguous or adjacent properties that are owned, operated, supervised, or controlled by one or more Department of Defense (DoD) component(s) that were disaggregated during the course of major source determination(s), based upon appropriate industrial groupings and support facility relationships. Compliance with these limits shall be demonstrated through the submission of an installation-wide Comprehensive Emission Inventory (CEI) for all emitted regulated air pollutants or any pollutant listed under section 112(b) of the Clean Air Act (including 12 month emissions summary). Exceedance of these emission limits may trigger offsets, BACT, and/or require submission of a Title V permit application.
[District Rules 1302 and 1303, 40 CFR 51.165, 40 CFR 52.21(b), 40 CFR 70.2 and "Major Source Determinations for Military Installations under the Air Toxics, New Source Review, and Title V Operating Permit Programs of the Clean Air Act," memorandum from John S. Seitz, Director, Office of Air Quality Planning and Standards, (Aug. 2, 1996)]

11. This entire facility (MDAQMD Facility no. 589 - NTC - Dir. of Public Works, Mission Related) shall not emit any Hazardous Air Pollutants (HAP) listed in or pursuant to Section 112(b) of the Clean Air Act in excess of the following limits in any consecutive 12 month period to remain below the USEPA's Synthetic Minor - 80% (SM-80) threshold:

a. Any single Hazardous Air Pollutant (HAP): 8 tons per consecutive twelve (12) month period; and,
b. All HAPs combined: 20 tons per consecutive twelve (12) month period.

For the purposes of determining the applicability of Section 112 air toxics requirements under the Clean Air Act, Facility refers to a stationary source, or group of stationary sources that are located within a contiguous area and under common control. Compliance with these limits shall be demonstrated through the submission of an installation-wide Comprehensive Emission Inventory (CEI) for all emitted pollutants listed under section 112 (b) (including 12 month emissions summary). Exceedance of these emission limits may trigger National Emission Standards for Hazardous Air Pollutants (NESHAP) or Maximum Achievable Control Technology (MACT) standards.
[40 CFR 63.2]

12. A Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants located at this military installation (including, but not limited to, MDAQMD Facility nos. 589, 2806, 3023, 3280, 3534, and 3903) must be submitted to the District, in a format approved by the District, upon District request. For the purposes of CEI, Facility is defined as every structure, appurtenance, installation, and improvement on land which is associated with a source of air releases or potential air releases of a hazardous material.
[District Rule 107(b), H&S Code 39607, 44304 and 44341-44342]